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TENDRING  
RURAL DISTRICT  
COUNCIL

ANNUAL REPORT

of the

Medical Officer of Health

for 1965





TENDRING RURAL DISTRICT COUNCIL

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR 1965

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F.R.I.P.H.H.

Medical Officer of Health to the Urban Districts of  
Brightlingsea, Clacton, Frinton and Walton, the Rural District  
of Tendring and Assistant County Medical Officer.

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Chief Public Health Inspector.

J. SMITH, Cert. R.S.H., M.A.P.H.I., Cert. I. Housing.

Deputy Chief Public Health Inspector.

T. M. WHITE, Cert. R.S.H., M.A.P.H.I.

Additional Public Health Inspector.

J. McLELLAN, Cert. R.S.A. Scot., Cert. R.S.A. Scot. Meat and  
Foods.

Additional Public Health Inspector.

Miss V. G. HENAGULPH, Clerk to the Medical Officer of Health.

R. G. DEBNAM, Clerk to the Chief Public Health Inspector.

Mrs. B. BAKER,

Shorthand/Typist to the Chief Public Health Inspector.

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Council Offices,  
Weeley,  
Clacton-on-Sea,  
Essex.

July, 1966.

Madam Chairman, Ladies and Gentlemen,

I have pleasure in presenting the Annual Report on the state of the Public Health in the Rural District of Tendring for the year 1965.

The Registrar General's Estimate of the population for the year shows an increase of 450, which is the same as in 1964.

The birth rate shows a slight decrease from last year, whereas the still birth rate is higher at 15.6, which is approximately the figure for the country as a whole.

The death rate increased slightly to 11.4, which is approaching the National figure. Deaths from cancer, I am glad to say, show a decrease from last year and only twelve cases of lung cancer have been recorded.

There were 304 cases of infectious disease which included 234 cases of measles, an increase on last year, but fewer than the year before. There were 24 cases of sonnei dysentery, which occurred in a County Council Children's Home at Ardleigh. This infection was introduced by a child from another part of the country, and unfortunately spread to many of the other children and staff, but the illness in each case was of short duration and of a mild character.

Attendances at the County Council Clinics continues on a satisfactory scale, and the following numbers of children were immunised against the various diseases:

751 injections of triple vaccine, which is a combination of diphtheria, whooping cough, and tetanus.

232 injections of diphtheria, and 109 booster injection of diphtheria vaccine.

104 tetanus primary injections and 74 re-inforcing injections.

115 booster injection of whooping cough.

430 primary doses and 397 re-inforcing injections of oral poliomyelitis vaccine were all carried out during the year.

The water supply from the Tendring Hundred Waterworks Company continues to be satisfactory in quality and quantity. 231.504 million gallons were supplied during the year, an increase of 5.838 million gallons over the total for 1964. Further details are given elsewhere in the report regarding water supplies to private houses, and the result of bacteriological and chemical tests.

Satisfactory progress with the various sewage schemes in hand continues, details of which are given elsewhere in this report. The St. Osyth sewerage scheme is now completed and the majority of private houses in the area are connected to the main sewer, and at Little Clacton it is gratifying to note that many additional preperities are now provided with main drainage.

In conclusion, I would like to express my gratitude to the Council, the Public Health Committee, and Officers of the Council for their co-operation during the year, and to the Staff of the Public Health Department for their work.

I am, Madam Chairman, Ladies and Gentlemen,

Your obedient Servant,

R. A. STENHOUSE,

Medical Officer of Health.



# STATISTICAL SUMMARY

Area in acres	...	...	65,884
Population			
1965 Registrar General's Estimate			26,240
1961 Census	...	...	24,733
Density of population per acre		...	0.38
Rateable value	...	...	£719,278
Sum represented by penny rate (1965-1966)			£3,054.11s.7d.
Number of inhabited dwellings (approx)			9,700
Census	...	...	8,335
Total live births	...	...	411
Live birth rate (crude)		...	15.6
Live birth rate (corrected)		...	18.0
Birth rate (England and Wales)		...	18.0
Total still births	...	...	9
Total live and still births		...	420
Still birth rate	...	...	21.4
Still birth rate (England and Wales)		...	15.7
Total deaths	...	...	394
Death rate (crude)	...	...	15.0
Death rate (corrected)		...	11.4
Death rate (England and Wales)		...	11.5
Death of infants under one year of age			4
Infant mortality rate - total		...	9.7
Infant mortality rate (England and Wales)			19.0
Infant mortality rate - legitimate		...	9.7
Infant mortality rate - illegitimate			-
Neo-natal mortality rate		...	7.2
Early neo-natal mortality rate		...	7.2
Perinatal mortality rate		...	28.5
Number of illegitimate births		...	9
Percentage of total births		...	21.4
Deaths from diarrhoea (under 2 years of age)			-
Maternal deaths (included abortion)	...		-
Maternal mortality rate		...	-
Total deaths due to cancer		...	63
Total deaths due to cancer of lung		...	12
Tuberculosis deaths	...	...	-

The principal causes of, and various ages at, death are given in the following tables:-

#### CAUSES OF DEATH DURING 1965.

Cause of death	Male	Female	Total
Syphilitic Disease	1	-	1
Cancer (all sites)	38	25	63
Leukaemia, Aleukaemia	1	1	2
Diabetes	4	1	5
Vascular lesions of nervous system	45	65	110
Coronary Disease, angina	51	23	74
Hypertension with Heart Disease	1	2	3
Other Heart Disease	16	23	39
Other Circulatory Disease	9	4	13
Influenza	1	1	2
Pneumonia	10	12	22
Bronchitis	7	1	8
Other Diseases of Respiratory System	1	1	2
Ulcer of Stomach and Duodenum	3	1	4
Gastritis, Enteritis and Diarrhoea	1	1	2
Hyperplasia of Prostate	1	-	1
Congenital Malformations	1	-	1
Other defined and Ill-defined Diseases	12	16	28
Motor Vehicle Accidents	7	-	7
All Other Accidents	2	3	5
Suicide	1	1	2
	<hr/>	<hr/>	<hr/>
	213	181	394
	<hr/>	<hr/>	<hr/>

#### DEATHS AT VARIOUS AGES DURING 1965.

Under 4 weeks	3
4 weeks and under 1 year	1
5 - 14 years	1
15 - 24 years	7
25 - 34 years	2
35 - 44 years	2
45 - 54 years	21
55 - 64 years	49
65 - 74 years	113
75 and over	195
	<hr/>
	394
	<hr/>

# PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES

The following figures show the number of infectious diseases which were notified in the district during 1965:-

Disease	Cases Notified	Cases at Hospital	Cases at Home	Cases Confirmed	Deaths
Erysipelas	2	-	2	2	-
Infective	7	-	7	7	-
Hepatitis	234	-	234	234	-
Measles	6	-	6	6	-
Pneumonia	24	-	24	24	-
Scarlet	24	-	24	24	-
Fever	24	-	24	24	-
Sonnei	7	-	7	7	-
Dysentery	7	-	7	7	-
Whooping Cough	7	-	7	7	-
Totals:	304	-	304	304	-

## TUBERCULOSIS 1965

Age Groups of the eight cases notified during the year are given in the table below:-

Age Groups in Years	New Cases			
	Respiratory		Non-Respiratory	
	M	F	M	F
1 - 5	1	1	-	-
5 - 15	-	1	-	-
25 - 35	1	1	-	-
55 - 64	1	-	-	-
65 - 74	2	-	-	-
Totals:	5	3	-	-



# NOTIFICATIONS AND DEATHS FROM TUBERCULOSIS SINCE 1958.

Year	New Cases	Deaths
1958	9	3
1959	2	2
1960	10	3
1961	4	2
1962	8	-
1963	7	1
1964	4	-
1965	8	-

The following figures give the number of cases on the register at the end of 1965:-

Respiratory Male	45	Non-respiratory Male	6
Respiratory Female	31	Non-respiratory Female	8
	<hr/>		<hr/>
	76		14
	<hr/>		<hr/>

Total: 90.

## SANITARY CIRCUMSTANCES OF THE AREA

### WATER SUPPLIES

The Tendring Hundred Waterworks Company supply and distribute all the mains water in the district. The following information about the Waterworks Company's supply has been given by Mr. W. A. Burrows, M.I.Mech.E., M.I.W.E., The Chief Engineer to the Company:-

"Practically the whole of the water supplied to the district was obtained from our Dedham Pumping Station, with some assistance from the Company's subsidiary sources at Lawford during the summer peak period.

The estimated quantity of water supplied to the area of the Tendring Rural District, in the 12 months ended 31st December 1965, amounted to 231.504 million gallons; an average daily consumption of 0.634 million gallons.

The total quantity taken for domestic purposes during the year was 126.225 million gallons; an average daily consumption of 0.346 million gallons. The total amount taken through trade meters was 105.279 million gallons; an average daily consumption of 0.288 million gallons.

The total number of connections (domestic and trade) made in the year in the Rural District, amounted to 479.

Approximately 8,488 yards of new main were laid in the Tendring Rural District during the year; also 7,769 yards of 2", 3", 4", 6", 8", 9" and 15" diameter main have been relaid in Harwich Road, Wix and Ramsey.

The supply of water to the district has been satisfactorily maintained both in quantity and in quality.

Samples of raw water are taken monthly; these are generally for chemical analysis only.

The monthly samples at each station are taken after aeration and chlorination and for these both the chemical and bacteriological results are given in the analyses.

In addition to the above, samples are also taken bi-monthly of all water stored in the Company's reservoirs, tanks and water towers. These samples are submitted for bacteriological examination only.

There is no evidence of plumbo-solvent action.

At the pumping stations where continuous chlorination is carried out, a test of the chlorine residual is made once per shift (i.e. every 8 hours) a residual of 0.2 p.p.m. of chlorine is maintained. If the chlorine residual falls below this figure the water is re-tested and if still low the chlorine dose is raised to give the required residual. This happens very rarely.

If samples taken from storage show high bacterial counts, then a repeat sample is taken and submitted to Dr. G. U. Houghton at the South Essex Waterworks Company's laboratory at Langham for presumptive test, the results of which are known within 48 hours. If the high count is confirmed the storage reservoir etc. is taken out of service while the contents are thoroughly sterilized with a fairly high dose of chlorine. This is done by injecting chlorine at the booster pump delivery and circulating the water through the reservoir on a closed circuit. The reservoir is then allowed to stand until the chlorine residual has returned to normal and is only brought into service again after another sample has been submitted for bacteriological examination and has been proved satisfactory.

The population supplied is 24,733 and there are 780 standpipes."

# PUBLIC WATER MAINS

Dwelling houses connected to public water mains		
Parish	Number of houses	Population 1961 Census
Alresford	408	926
Ardleigh	346	1,860
Beaumont	89	352
Great Bentley	410	1,155
Little Bentley	60	260
Bradfield	261	811
Great Bromley	170	780
Little Bromley	27	256
Little Clacton	740	1,647
Elmstead	250	854
Frating	55	323
Lawford	716	1,974
Manningtree	188	524
Mistley	678	2,115
Great Oakley	238	680
Little Oakley	312	978
Ramsey	700	2,276
St. Osyth	1,120	1,857
Tendring	133	815
Thorpe-le-Soken	541	1,606
Thorrington	212	689
Weeley	423	951
Wix	181	665
Wrabness	111	379
	<u>8,369</u>	<u>24,690</u>



TENDRING HUNDRED WATERWORKS COMPANY

DEDHAM WORKS - WATER ANALYSES

Chemical Results in Parts per Million

	Maximum	Minimum
Colour	Less than 3	Nil
pH.	7.8	7.5
Electric Conductivity	940	850
Chlorine present as Chloride	148	116
Hardness		
Total	300	280
Carbonate	285	250
Non-Carbonate	40	15
Nitrate Nitrogen	0.3	0.0
Ammoniacal Nitrogen	0.67	0.00
Albuminoid Nitrogen	0.10	0.00
Metals (Iron)	0.40	0.10
Turbidity	Less than 3	Nil
Odour	slightly chlorinous	Nil
Free Carbon Dioxide	17	8
Total Solids	625	550
Alkalinity as Calcium Carbonate	285	255
Nitrite Nitrogen	Less than 0.01	absent
Oxygen absorbed	0.30	0.00
Residual chlorine	0.14	0.05

## BACTERIOLOGICAL RESULTS

		<u>1 day</u> <u>at 37°C.</u>	<u>2 days</u> <u>at 37°C.</u>	<u>3 days</u> <u>at 20°C.</u>
Number of Colonies developing on Agar.	Minimum	0 per ml.	0 per ml.	0 per ml.
	Maximum	0 per ml.	3 per ml.	9 per ml.
		<u>Present</u> <u>in</u>	<u>Absent</u> <u>from</u>	<u>Probable</u> <u>Number</u>
Presumptive Coliaerogenes Reaction		- ml.	100 ml.	0 per ml.
Bact. coli (Type 1).		- ml.	100 ml.	0 per ml.
Cl. welchii Reaction		- ml.	100 ml.	

### REMARKS

These samples are practically clear and bright in appearance have a reaction on the alkaline side of neutrality and are free from metals apart from a minute trace of iron. The water is hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. It conforms to the highest standard of organic quality and bacterial purity.

These results are indicative of a water which is pure and wholesome in character and suitable for public supply purposes.

All samples were analysed by the Counties Public Health Laboratories.

## HOUSING

New houses erected:-

By the Council	52
Private Enterprise	300

## SEWERAGE AND SEWAGE DISPOSAL

### ST. OSYTH SEWERAGE SCHEME

This scheme is now completed and the majority of the residential area in this village is now served by main sewerage arrangements.

### GREAT OAKLEY SEWERAGE SCHEME

This scheme was put into operation in August and serves the residential area. The total lengths of gravity sewer provided in this scheme are:-

6"	1,607 yards.
9"	2,822 yards.

### WEELEY HEATH

The Oxidation Ditch which caters for the major part of the village still continues to be very satisfactory. The sewerage of Weeley Heath is still being investigated.

### PARKESTON SEWAGE WORKS

Correspondence is still taking place with the Harwich Authority regarding the possibility of the works being taken in their scheme, and it is hoped that their Consultants will shortly be giving a report on this matter.

### NORTHERN AREA SEWERAGE SCHEME

An outline scheme is being submitted to the Ministry for the sewerage of the Northern Area, which covers the villages of Ardleigh, Bradfield, Lawford, Manningtree and Mistley.

### GREAT BROMLEY SEWAGE DISPOSAL WORKS

Work has commenced on the construction of a Dutch Plant, and it is hoped that this will be put into operation next year.

### LITTLE CLACTON SEWERAGE

In conjunction with the private street works, soil sewers have been provided in Amerells and Feverills Roads, Little Clacton.

## SANITARY INSPECTION

The following is a summary of the principal inspections and visits made by the Public Health Inspectors during the year and the Notices served:-

	Total Inspections	Notices Served	
		Informal	Formal
Houses unfit	322	-	27
Houses unfit revisits	167	-	-
Houses with defects	60	5	-
Houses with defects revisits	70	-	-
Houses drainage	176	15	-
Houses sanitary accommodation	11	1	-
Houses overcrowding	-	-	-
Houses verminous or dirty	7	-	-
Improvement grants	491	58	-
Water supplies	125	2	-
Water samples collected	59	-	-
Schools	1	-	-
Food premises and vehicles	29	3	-
Factories	16	-	-
Shops	13	-	-
Camping grounds and caravans	72	3	-
Beach huts and shacks	15	-	-
Infectious disease enquiries	33	-	-
Food poisoning enquiries	9	-	-
Refuse tips and deposits	235	1	-
Rats and mice infestations	12	-	-
Polluted rivers and ditches	33	5	-
Sewage works	7	-	-
Piggeries	7	1	-
Slaughterhouses	627	-	-
Nuisances from animals	3	-	-
Contractors or owners interviewed	271	-	-
Animal boarding establishments	9	-	-
Flooding	43	2	-
Court attendances	1	-	-
Offices and shops	28	4	-
Noise	2	-	-
Rabbits	1	2	-
Nuisances	7	-	-
Quarries	2	-	-
Pigeons	3	-	-



	Total Inspections	Notices Served	
		Informal	Formal
Smoke	1	-	-
Oyster sampling	1	-	-
Swill boiling plant	4	-	-
Public conveniences	8	-	-
Public footpaths	10	1	-
Scrap metal dealers	6	-	-
Abandoned vehicles	6	-	-
Gipsy Survey	7	-	-
Disposal of dead	1	-	-
Miscellaneous	232	-	-
	<u>3,243</u>	<u>103</u>	<u>27</u>

### FOOD PREMISES

The following Table sets out the number of food premises subject to the Food Hygiene (General) Regulations, 1960, grouped in categories of trade carried on in them and includes the following approximate information for each category separately:-

Type of premises	No. of premises	No. of premises fitted to comply with Reg. 16	No. of premises to which Reg. 19 applies	No. of premises fitted to comply with Reg. 19
Cafes and Restaurants	17	17	17	17
General Provisions Shops	102	102	40	40
Bakery Shops	10	5	5	5
Butchers Shops	20	20	20	20
School Kitchens	25	25	25	25
Wholesale Grocers	1	1	1	1
Public Houses	55	55	55	55
Ice Cream Kiosks	2	2	-	-

# FACTORIES

## FACTORIES ACT, 1961.

### PART I OF THE ACT.

#### 1. Inspections for purposes of provisions as to health.

Premises (1)	Number on Register (2)	Number of Inspection Inspections (3)	Written Notices (4)	Occupiers prosecuted (5)
i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	5	1	-	-
ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	85	15	-	-
iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises).	-	-	-	-
Totals:	90	16	-	-

2. Cases in which defects were found.

Particulars (1)	Number of cases in which defects were found				Number of cases in which prosecutions were instituted (6)
	Found (2)	Remedied (3)	Referred To H.M. Inspector. (4)	By H.M. Inspector. (5)	
Want of Cleanliness (S.1.)	-	-	-	-	-
Overcrowding (S.2.)	-	-	-	-	-
Unreasonable temperature (S.3.)	-	-	-	-	-
Inadequate ventilation (S.4.)	-	-	-	-	-
Ineffective drainage of floors (S.6.)	-	-	-	-	-
Conveniences (S.7.)					
(a)					
Insufficient (b)	-	-	-	-	-
Unsuitable or defective (c)	-	-	-	-	-
Not separate for sexes	-	-	-	-	-
Other Offences against the Act (not including offences relating to outwork)	-	-	-	-	-
Totals:	-	-	-	-	-

PART VIII OF THE ACT

SECTIONS 110 and 111

Section 110				Section 111
Nature of work	Number of Outworkers in August list re- quired by Section 110 (1) (c)	Number of cases of default in sending lists to the Council (3)	Number of prosecu- tions for failure to supply lists (4)	Number of instances of work in unwholesome premises (5)
(1)	(2)	(3)	(4)	(5)
Wearing Apparel Making etc.	5	-	-	-

The premises were inspected and found ot be in a satisfactory condition.